

CLAIMS

1. A battery pack, including: a plurality of batteries (2); and a plurality of holding frames (3) capable of
5 accommodating and holding the batteries (2), respectively, so as to provide spaces (10a, 10b) therebetween, both side faces of each of the holding frames (3), that are opposed to each other, being opened to form openings, wherein the holding frames (3) that accommodate and hold the batteries (2), respectively, are
10 arranged with their openings aligned, at both ends of the arranged holding frames (3), end plates (4a, 4b) being arranged that are jointed together with the holding frames (3) as one unit, the holding frames (3) and the end plates (4a, 4b) that are jointed forming an outer case (5) for accommodating the
15 plurality of batteries (2) and for forming a cooling space (6) to surround each battery (2).

2. A battery pack, including: a plurality of batteries (2) each having an oval or oblong cross-sectional shape; and
20 a plurality of holding frames (3) each of which accommodates and holds each of the batteries (2) therein with spaces (10a, 10b) provided outside both ends of the battery (2) in the longitudinal direction and outside one side face of the battery (2), each of the holding frames (3) being formed by a rectangular
25 frame having opened side faces that face both side faces of the

battery (2), wherein the holding frames (3) that accommodate and hold the batteries (2), respectively, are arranged with the opened side faces thereof aligned, at both ends of the arranged holding frames, end plates (4a, 4b) being arranged that are
5 jointed together with the holding plates (3) as one unit, the holding frames (3) and the end plates (4a, 4b) that are jointed forming an outer case (5) for accommodating the plurality of batteries (2) therein and for forming cooling spaces (6) outside both ends of the respective batteries (2) and between the side
10 faces of the respective batteries (2).

3. The battery pack according to any one of claims 1 and 2, wherein

each of the holding frames (3) is provided with a
15 gas-discharge passage portion (18) for sealing and covering a space surrounding a gas-discharge port (8) provided in the battery (2) and having connection ports (19a, 19b) opened at both side faces of that holding frame (3).

20 4. The battery pack according to any one of claims 1 and 2, wherein

connection terminals (7a, 7b) are provided in each battery (2), and a space (12) for allowing the connection terminals (7a, 7b) to be arranged therein is formed in each holding frame (3).

5. A holding frame for a battery, formed by a rectangular frame that accommodates and holds a battery (2) having an oval or oblong cross-sectional shape and has opened side faces that are opposed to both side faces of the battery (2), wherein spaces (10a, 10b) are provided outside both ends of the battery (2) in the longitudinal direction of the battery (2) and outside at least one side face of the battery (2), while the holding frame accommodates and holds the battery.

10 6. The holding frame for a battery according to claim 5, wherein

a gas-discharge passage portion (18), for sealing and covering a space surrounding a gas-discharge port (8) provided in the battery (2) and having connection ports (19a, 19b) opened
15 at both side faces thereof, is further provided.